THE TECH

DAILY

VOL. XXIX. NO. 75. BOSTON, MASS., TUESDAY, JANUARY 4, 1910 PRICE ONE CENT

BOSTON TO HAVE FINE SKATING RINK

Arena Now Being Built To Have Accomodations for College Teams

The Boston Arena, the big indoor skating rink near the corner of Massachusetts Ave. and St. Botolph St. is fast nearing completion, and the management expects it to be ready for the public between Jan. 19 and Feb. 1. The prices of admission have not yet been definitely determined but will be announced later. A special effort will be made to please the college teams of the vicinity, and they will practice evenings after 7:00 o'clock.

The foundation of the building is complete and the steel work is practically completed. The men are working three shifts, night and day and the rink should soon be ready. There will be an area of 61,000 square-feet covered by the building, and the skating area will be ninety by two hundred and forty feet. There will be a seating capacity of five thousand. There will be lockers, dressing rooms and parlors etc. for the skaters and everything is being done to make it comfortable for everybody.

The management plans to provide for curling, hockey and skating rinks. Clubs, of course, will be giveen the preference, and they will confer with the managers of different college hockey teams about schedules. Hockey will be a great feature, but ample provision will be made for curling, also and for rink skating.

Two one hundred-ton refrigerating machines capable of maintaining a skating surface up to 110° F, are to be installed. The heating systems will be ample for the largest audiences. There is a special device for warming the spectators' seat, and the air will be kept at a moderate temperature for the skaters. It will be a great advantage to have an indoor rink as it will not be subject to changing weather conditions. In the summer time the building will be given over to expositions.

G. B. DEXTER TO SPEAK

Will Address Arch. Society At Smoker Tonight---No Charge

Mr. George B. Dexter of the Dexter Brothers Paint and Varnish Company, is the speaker the Architectural Society has secured for its smoker this evening. He will describe his experience of a trip through North Africa and the lecture will be illustrated by colored lantern slides which Mr. Dexter made himself.

"Through North Africa from Algiers to Tunis, including Biskra, Constantine, and Tingad, the Buried Roman City of the Desert" is the title of Mr. Dexter's lecture. He delivered it recently in the Boston Public Library where it was very well received, and he has kindly offered to repeat it before the Architectural Society.

As this is a subject which is of general interest, the Society has invited everybody who cares to attend.

There will be no charge. The lecture will be at 7:30, January 4, in 42 Pierce, and it is hoped a large number will take advantage of this opportunity to hear a very interesting lecture.

PROVISIONAL MID-YEAR EXAMINATION SCHEDULE

1910 And 1911 Stop Work Jan. 15, 1912 On Jan. 20 And 1913, Jan. 22

Jan 3, 1910 No. 75

A provisional schedule of the Semi-Annual Examinations is printed below. Exercises close for seniors and juniors on Saturday, January 15, sophomores, Thursday, January 20, and freshmen, Saturday, Jan. 22.

TUESDAY, JANUARY 18.

Subject.	Year.	Hour.
European Civilization and Art 175	4	1.30-4.30
Geology Struct. and Field 857	3	9-11
Hydraulics I, XI, 330	4	9-12
Industrial Biology 746	4	1.30-3.30
Theoretical Chemistry 610	3,4	9-12
Theory of Warship Design 947	G	9-12
Theory of Warship Design 916	4	9-12

WEDNESDAY, JANUARY 19

Ap. Mech. II, III, 1, 2, X, XIII, XIII-A, 80, 81, 82.	4	9-12
Colonial Systems 180	3	1.30-3.30
English Literature 156	3	1.30-3.30
Economic History 191	3	1.30-3.30
English Bible 160	3	1.30-3.30
Foundations 349	4	9-11
International Law 185	3	1.30-3.30
Org. and Admin. of Pub. Serv. Corp. 698	G	9-12
Physics, Heat 771	3	9-11
Theory of Warship Design 915	3	9-12

THURSDAY, JANUARY 20

App. Mech. 86	4	9-12
Chemistry 635, XIII-A	3	9-11
Constructive Design 532	4	9 12
Elements of Electrical Engineering 655	3,4	9-12
Geology Dynamical 855	3	9-12
Hyd. II, VI, X, XIII, 331, 332	3,4	9-12
Precision of Measurements 772	3	1.30-3.30
Metallurgy 442	4	9-12
Prox. Tech. Anal. 629	4	9-12
Theoret. Physics I 790	3	9-12
Zymology 747	4	1.30-3.30

FRIDAY, JANUARY 21.

Applied Mechanics 60, 65, 66, 67, 69	3	9-12
Applied Mechanics 68	3	9-11
Bacteriology of Water and Sewage 748	4	1.30-3.30
Biol. of Inf. Diseases 745	4	9-11
Electric Light & Transmission of Power 663	4	9-12
European Civilization and Art 176	G	9-12
Machine Design 404	4	9-12
Petrography 843	4	9-12
Quantitative Analysis 559	4	9-12
Structures 347, 348, 351, 357	4G	9-12

SATURDAY, JANUARY 22

Bacteriology 744	3	9-12
Central Stations 677	4	9-11
Hydraulics 340 XIII-A	3,4	9-11
Industrial Chemistry 580	4	9-11
Metallurgy of Iron 441	2,3	
	4	1.30-3.30
Organic Chemical Laboratory 599	4	1.30-3.30
Physics 770	2	9-12
Surveying 303	3	1.30-3.30

MONDAY, JANUARY 24

Alt. Current Mach. 650	4G	9-12
Air, Water and Food Analysis 565, 569, 570	3	9-11
Electrical Measuring Instruments 778	3	9-10.30
Ent. French I		9-11
Heating and Ventilation 413	3	9-11
Naval Architecture 901	3	9-12
Organic Chem. Lab. 598	4	1.30-2.30
Qualitative Analysis 552	2	9-12
Quantitative Analysis 559	3	1.30-4.30
Railroad Engineering 313	3	9-12
Steam Engineering 387	4	9-11
Theoret. Biology 704	4	1.30-4.30

TUESDAY, JANUARY 25

Ent. English		1.30-3.30
Epidemiology 765	G	9-11
European History 173	2	1.30-3.30
Heating and Ventilating Engineering 423	4	9-10
Locomotive Engineering 421	4	9-11
Marine Engineering 420	4	9-11
Mill Engineering 459	4	9-11
Mining Engineering 459	4	9-12
Organic Chemistry 592	4	9-12
Stand. Lab. 686 & Tech. Elec. Meas. 685	4	9-12
Steam Engineering 386	3	9-11
Steam Turbine Eng. 424	4	9-11
Trigonometry 23	1	9-12

WEDNESDAY, JANUARY 26.

Architectural History 491	3	9-12
Architectural History 490	2	9-11
Assaying 432	3	9-11.30
Bridge Design 355, 356	4	9-12
Calculus Advanced and Geometry 36	3	9-12
Descriptive Geometry Reg. and Special 107	2	9-12
Descriptive Geometry 101	1	9-12
Ent. Solid Geometry		1.30-3.30
Food Analysis Adv. 649	4	1.30-3.30
Geology, General 856	2	9-12
Highway Engineering 314	3	9-11
Ventilation and Draining 914	4	9-11

THURSDAY, JANUARY 27

Dynamo Electric Machinery 661	3,4	9-11
English Literature 150	2	1.30-3.30
Invertebrate Zoology 718	4	9-12
Mathematics 20	1	9-12
Mining Engineering 458	3	9-12
Naval Architecture 902	4	9-12
Railroad Engineering 319	4	9-12
Steam Engineering 385	3,4	9-12

FRIDAY, JANUARY 28

Ent. Algebra A		1.30-3.30
Ent. Algebra B		9-11
Mathematics 30	2	9-12
Mathematics 32	2	9-12
Biology, General 701 and Mico-organisms 709	3	9-11
Sugar Analysis 573	4	9-11

SATURDAY, JANUARY 29

Biology, General 700	2	9-11
Descriptive Geometry (Sp. Class) 101, 103	1	1.30-4.30
Ent. German I.		1.30-3.30
Ent. Plane Geometry		9-11
Organic Chemistry 590	2,3	1.30-3.30

T. C. A. DINNER

On Wednesday night at 6:00 P. M. in the small dining room in the Union, the Technology Christian Association will hold its fourth weekly dinner. The speakers will be announced in Wednesday's issue of The Tech. Tickets will be on sale Tuesday afternoon.

And can be obtained from R. Smead, 1910 and F. H. Busby, 1912.

PLANT TEST STARTED YESTERDAY AT FOUR

Annual Test On Boiler Plan To Last Until Saturday Night

At four o'clock yesterday afternoon the annual plant test began. As in previous years, the men will make the usual measurements of coal, water, blue gas and power generated.

Those taking part are members of Courses II, VI, X, and XIII, who take the regular engineeering laboratory work.

The test will continue until Saturday, the men each working one eight hour shift, in groups of twelve.

The object of this test is to give the men practice in this work over a larger scale than is possible in the brief two hour tests in the laboratories.

The efficiency, cost of operation and output of the plant will be calculated at the close, from the data obtained. The boiler plant and the engines and generations in Lowell building will be tested. The large Russell engine will run during the afternoon hours and the two small Westinghouse engines the remainder of the day and night.

COURSE PICTURES

Photos To Be Taken On Rogers Steps Begining Friday

Beginning Friday noon there will be a series of photographs taken of all concerned in the various courses for the special course issues.

These pictures are to be taken on Rogers steps at 1.10 on the various days and it is very important that every one in the course be there, Professors, Instructors, Assistants and Students.

The order in which the pictures are to be taken is as fellows:

Friday, Jan. 7, Course IV.
Monday, Jan. 10, Course V and X.
Tuesday, Jan. 11, Course VI.
Wednesday, Jan. 12, Course VII.
Thursday, Jan. 13, Course VIII and XIV.
Friday, Jan. 14, Course XIII.

The pictures of men in sourses I and II which did not appear in the special issues of those courses will be taken in a short while and will be published in a regular issue of the Tech. The date will be announced later.

WIRELESS SOCIETY

Dr. G. W. Pierce To Talk In The Union Friday Evening

On Friday evening in the Union Dr. George W. Pierce of Harvard University will give a talk on Wireless Telegraphy. This talk will take the place of the usual Friday evening entertainment. It will be non-technical in nature and Dr. Pierce will treat the subject in a very popular way. His talk will be illustrated by many lantern slides.

Dr. G. W. Pierce is the director of the Physical Laboratory at Harvard and is a wireless expert of world wide renown. He has devoted considerable time to original wireless investigation and research and can handel the subject in a great way.

THE TECH.

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R. H. Ranger 1911

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Single Copies 1 Cent.

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BOSTON, MASS., JANUARY 4, 1910.

WORK FOR THE WRITER

The Gas Power Age a periodical devoted to the advancement of the automobile, motor boats, vaiation and producer gas power will pay regular rates for all articles which they can use sent in by students or others interested.

These articles are to be written on one of the above subjects, or other subjects of a technical nature, but should be written in a popular way. Such papers should contain from one thousand to three thousand words and should whenever possible be accompanied by photographs or drawings.

"THE DOPESTER"

The relay team this year is much in doubt. I should hate to pick a team now with so many promising candidates in the field. Well, I must say, it is encouraging and if our team don't beat the world's record this year it will be strange.

First class basketball game Saturday. The freshmen look as if they would be the winners. Better wake up, 1912.

What did you think of the Dartmouth game? Pretty close, but if the weather remains cold, and the condition good so that the team can get practice, I think we should get first place in the hockey field.

Also, don't forget that 'Varsity basketball opens up to-morrow at Medford. The Institute team won the first game last year 28--15 and lost the second game 16--13. Tech looks to me like a winner.

Another thing to think about, while in the thinking mood, is that the indoor meet comes next week and we will have an opportunity to draw a line on the Freshmen crack sprinters.

Last year's track records may be of interest to some. They are:

100 yds—9 2-5s.
880 yds—1m. 52 4-5s.
10 miles—52m. 34 4-5s.
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Castle Sq. Daily 2 and 8
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THE HORNET'S NEST

"I see they're talking of establishing a chapter of Sigma Xi here," remarked Cad. "Mighty good scheme, I think. That would give the fellows something tangible to work for, and merit in scholarship would get the recogntion it deserves. Why, you fellows never know whether your friends are doing well or not, and your only heroes are athletic and social— never intellectual. I consider my greatest success in college to have been my election to Phi Beta Kappa, and I was more widely known for that than for making the football team."

"I don't think you're right," said Dick. "We fellows in the fourth year know pretty closely how our coursemates are doing, and a man who doesn't keep up insn't so very popular, no matter how athletic he is. Besides, we have something real to work for, and don't need the artificial stimulation you needed in Cadonia. I don't see the point of it—the grinds would work themselves to death to make it, most of us have enough incentive already in our desire to fit ourselves for success, and the flunkers wouldn't do any better, because they'd make up their minds they could never make it. And the creation of an aristocracy, even if it is intellectual, is certainly undemocratic."

"Good for you," said Billiken, who had been standing in the door since the middle of this speech. "Aren't you the orating kid, though? What can you say to that, Cad?"

"I'm still of the same opinion," said Cad. "And as for our needing artificial stimulation at Cadonia, that's all bosh. Our students are just as earnest, just as—"

"Oh, forget it," said Dick. "We were talking about Sigma Xi. And after all the argument is over, the deciding fact remains that the scheme dosn't fit our conditions here. Any system of honors involves comparison, and comparisons are more than 'odorous' here, they are impossible. What common ground for comparison have you for a senior in Course I and one in Court XIV? Not the least in the world, and any artificial method would be sure to work unjustly. The plan may or may not be a good one but it certainly is impossible.

"Right again, Demosthenes," said Billiken. "What now, O Cadonia?"

But Cad said nothing, and puffed on his pipe, ruminating on Dick's insult to his former college-mates.

R. W. BABSON SPEAKER

Will Address C. E. Society On Business Barometers on Wednesday

"Business Barometers" will be the title of the talk which the Civil Engineering Society is to hear Wednesday afternoon at 4:15 in 11 Engineering B. Mr. R. W. Babson of Wellesley, a graduate of Course I in the class of 1898 will be the speaker.

Br. Babson is one of the publishers of Moody's "Mannual of Railroad and Corporation Securities" and has for many years made a special study of business conditions and changes, so he will be thoroughly at home with his subject. Mr. Babson in addition to his work on the Manual is the head of a bureau of statistics on securities, and so keeps in constant touch with chang-

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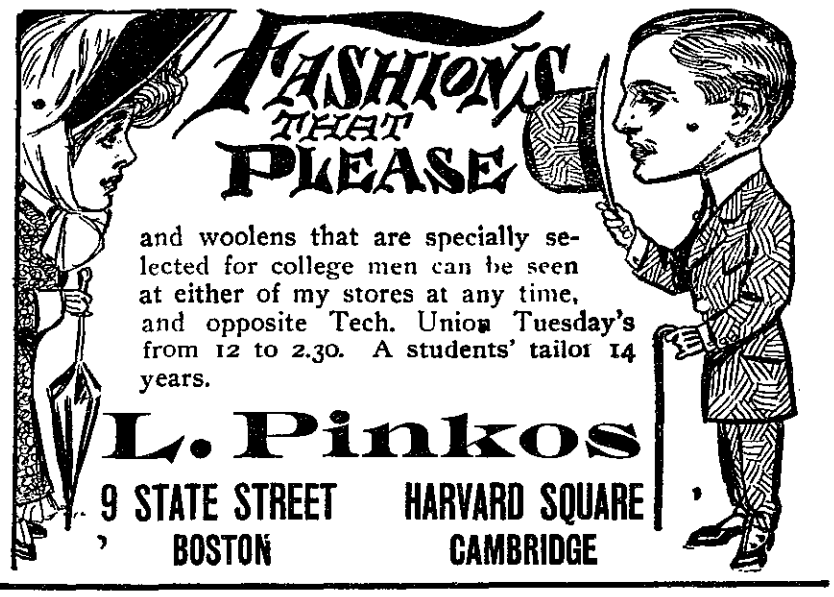

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ing business conditions. All members of the society should make an effort to attend this meeting as the subject is one of importance to all engineers and the talk is sure to be presented in an interesting manner.

COLLEGE ATHLETIC NOTES.

So well do they think of Dan Frank's ability as a shot-putter at Brown University that a special eight-pound shot event has been made a part of the big athletic meet which is to be held at Providence, Feb. 5. The idea is to compare him with "Bill" Coe, the B. A. A. pill pusher, who has been invited to contest.

It is reported that Billy Lauder, who coached Columbia, Williams and Amherst at baseball, may get a contract to take charge of the Yale team this season. Lauder plyed at Brown before he joined the professional ranks.

While there is some uncertainty about the Navy making application to join the I. C. A. A. A. A., four dual meets are scheduled for next spring with Princeton, Johns Hopkins, Columbia and Lafayette. It is believed that the chief reason for the "middies" wanting to join the association is that they have a fast sprinter in Carey, who might win the dashes.

It looks as if Princeton and Pennsylvania will meet in a relay race at the Boston Athletic Association games Feb. 12. It will be the first time in the history of the games that these two universities have been matched, and judging from the calibre of the men, it should prove a grand contest with the Tigers having a little the best of it. They have practically intact the entire freshman relay team which did so well last spring.

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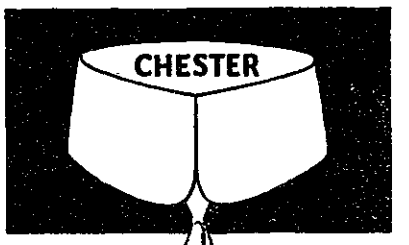

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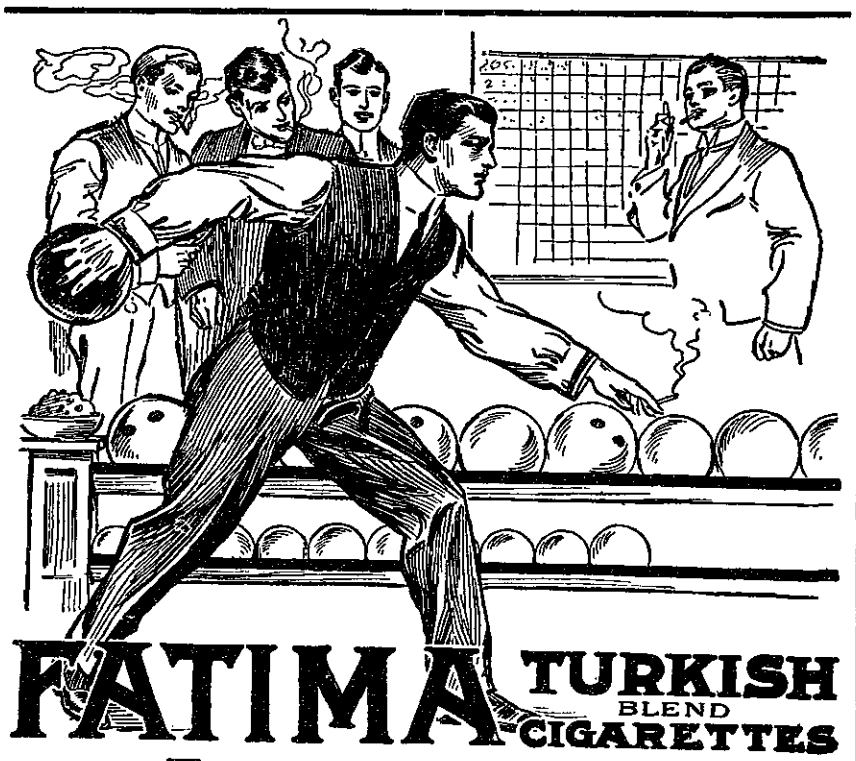
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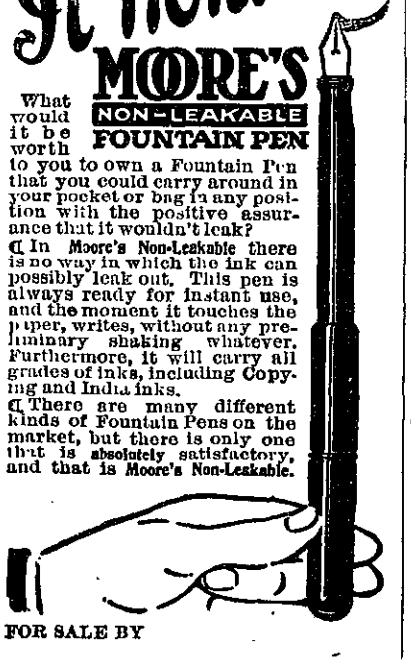
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GENERAL NOTICES.

FIRST YEAR.

Entrance Condition Examinations.

First-year students are expected to take at the end of the present term all entrance examinations in which they have not already clear records, with the following exceptions:

1. Students having conditions in entrance History and entrance Physics. No examination will be held in entrance History and entrance Physics at the semi-annual examination period.

2. Special students taking no work dependent on entrance subjects in which they have not clear records. Such students, if they desire to become regular, may take remaining examinations in June or September.

3. Students who are now making up entrance French and German by taking the elementary courses, although they are privileged to take these examinations.

4. Students entitled to excuse from particular entrance conditions on the basis of good term work. This applies to conditions in entrance Algebra, English, French, German, and Plane Geometry and students will be notified if excuse can be given.

For the Faculty Committee on Entrance Examinations,
WALTER HUMPHREYS,
Registrar.

December 14, 1909.

MILITARY SCIENCE.

The Drill hour, on Mondays and Fridays, on and after January 3rd will be changed from three to two o'clock.
WALTER HUMPRHEYS,
Registrar.

Every student in Course II. at the Institute should obtain a copy of last Saturday's special issue. It contains twelve pages of live interest to every man in the M. E. Course. Obtain a copy if you have not already done so.

1913.

First order of class-pipes given out Monday at Union. Second order for pipes received at Union from one till two daily.
WM. NEUSOME EICHORN,
O. H. STRANG.

1913.

Tug of War meet at Marceau the Photographer, 160 Tremont St., at 1.10 today, wearing jerseys. All Out!
O. K. BIRCHARD.

1913.

Important Class Meeting, 10 o'clock, Wednesday, Huntington Hall.

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CONSTRUCTING ENGINEERS

C. E. Society Meeting, Wednesday, Jan. 5, 1910, 4.15 P. M., in Room 11, Eng. B. Mr. Roger W. Babson, M. I. T. '98, will speak on "Business Barometers." 75, 76

Mrs. Maclaurin will be at home, at 187 Bay State Road, on Sunday afternoons after 3.30 P. M., beginning January 9, 1910, and will be glad to meet members of the student body of the Institute.

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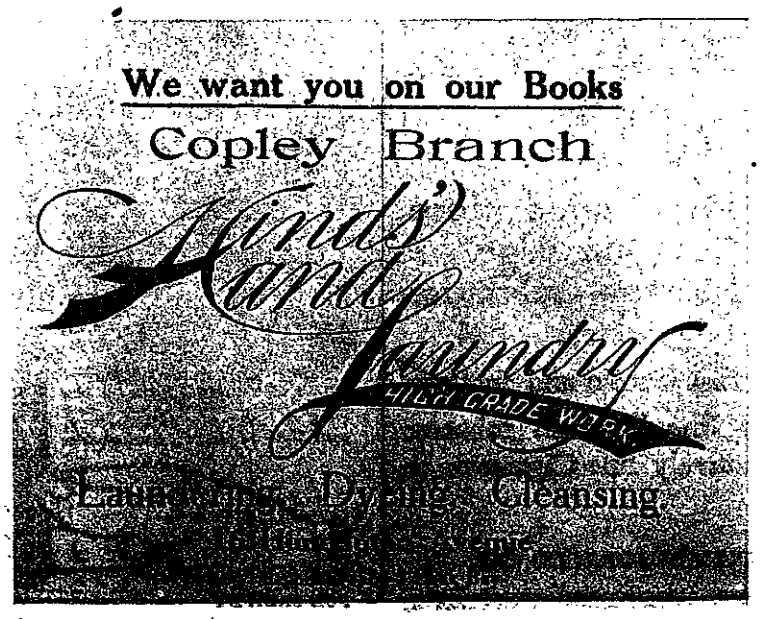

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